

Subject 60745-2-15

April 13, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Hand-Held Motor-Operated Electric Tools – Safety – Part 2-15: Particular Requirements for Hedge Trimmers, UL 60745-2-15, are being proposed:

1. Proposed Revision To Clause 19.103DV To Clarify Minimum Number Of Handle Requirements For Extended Reach Hedge Trimmers

VOTES AND COMMENTS DUE: May 14, 2018

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

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1. Proposed Revision To Clause 19.103DV To Clarify Minimum Number Of Handle Requirements For Extended Reach Hedge Trimmers

RATIONALE

Proposal submitted by: John Stimitz, UL LLC on behalf of the International Harmonization Committee (IHC) for the adoption of the IEC series of standards for Hand-Held, Motor-Operated, and Transportable Tools and Lawn and Garden Machinery

As currently written, UL 60745-2-15 currently requires that extended reach hedge trimmers comply with Table 101DV with respect to the minimum number of handles with blade control. The table requires a minimum of 2 handles with blade control for a conventional hedge trimmer. For extended reach hedge trimmers, the hazardous moving parts are further away from the user. Therefore, only one blade control is required to be located in the rear handle. Accordingly, the following change to Clause 19.103DV is being proposed to clarify the requirement.

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PROPOSAL

19.103 Cutting device

To safeguard against contact with the cutter blade, hedge trimmers shall be constructed to meet the requirements of one of the categories given in Table 101.

Table 101 – Hedge trimmer categories

Items with requirements	Category number and requirements			
	1	2	3	4
Cutting length	≤ 200 mm	> 200 mm	> 200 mm	> 200 mm
Number of handles	1	2	2	2
Number of handles with blade control	1 (rear handle)	1 (rear handle)	1 (rear handle)	2
Maximum blade stopping time (subclause 19.104)	No	No	3 s	1 s
Blade configuration figure	106	106	107	108
Lower barrier (subclause 19.105)	No	No	Yes	No

For category 3, the 19 mm test probe in Figure 107 shall not contact any blade tooth.

Blunt extensions shall extend over the full length of the cutting device for the blade configurations according to Figures 106 and 107. For cutting devices with blade configurations as shown in Figure 108, the blunt extensions shall reach a distance of at least 400 mm from any point of the rear face of the front handle (see Figure 109). If the front handle is located part way along the cutting device the blunt extensions shall start at the first blade tooth and continue until the 400 mm minimum distance beyond the rear of the front handle is reached.

Blunt extensions are not required for tools of category 4 with a blade configuration as shown in Figure 108 where there are only two handles and the front handle is permanently fixed to the smooth side of a single sided cutting device.

To provide blade visibility during use, at least 50 % of the area of the top surface of the cutting device of category 3 tools, excluding areas occupied by a warning label and the surfaces wiped by blade motion, shall be coloured with a highly visible durable bright-red, -yellow or -orange colour which sharply contrasts with green. The coloured portion shall extend for at least 90 % of the length of the cutting device measured from the outboard end.

Compliance is checked by inspection and measurement.

19.103DV D1 Modification: Replace 19.103 and Table 101 of this Part 2 with the following:

To safeguard against contact with the cutter blade, hedge trimmers shall be constructed to meet the requirements of one of the categories given in Table 101DV. For extended reach hedge trimmers, any cutting device category is acceptable with respect to “Cutting length”, “Number of handles”, and “Minimum number of handles with blade control” specifications. Extended reach hedge trimmers shall have a minimum of two handles and a blade control located in the rear handle. For extended reach hedge trimmers, blunt extensions and a “lower barrier” are not required. The “Maximum blade stopping time” for extended reach hedge trimmers is 3 s.

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